## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/14356

A. CLASSIFICATION OF SUBJECT MATTER  IPC(7) : B66F 9/06, 9/16; E04C 1/00, 5/00; E06C 1/00, 5/00; E04C 1/00, 5/00; E04G 1/18, 1/22  US CL : 187/226, 232, 240, 244; 182/63.1, 69.4, 69.6, 141, 148  According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 187/226, 232, 240, 244; 182/63.1, 69.4, 69.6, 141, 148			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
Х	US 3,313,376 (Holland) 11 April 1967 (11.04.1967)		1, 17, 18
Υ Υ			2-16, 19-24
Y	US 5,927,440 (Freeman) 27 July 1999 (27.07.1999)		1, 2, 4, 5, 20, 22, 24
Y	GB 2 211 237 (Blackmore) 28 June 1989 (28.06.1989	9)	7, 11, 13
Y	US 5,111,907 (Kishi) 12 May 1992 (12.05.1992)		2, 7-10
Y	US 5,425,433 (Huber) 20 June 1995 (20.06.1995)		1-5, 7-10, 20, 22, 24
Y	US 5,803,204 (White et al.) 8 September 1998 (08.09.1998)		1, 2, 7-10, 19, 20, 22, 24
Y	US 4,512,440 (Bixby) 23 April 1985 (23.04.1985)		1, 7, 11, 13, 20, 22, 24
Y	US 6,779,635 (Anibas) 24 August 2004 (24.08.2004)		4, 6
Further documents are listed in the continuation of Box C.  See patent family annex.  See patent family annex.  T' later document published after the international filing date or priority			
<ul> <li>Special categories of cited documents:</li> <li>"A" document defining the general state of the art which is not considered to be of</li> </ul>		date and not in conflict with the applica principle or theory underlying the inven	tion but cited to understand the
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"O" document	referring to an oral disclosure, use, exhibition or other means	with one or more other such documents obvious to a person skilled in the art	s, such combination being
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent family	
Date of the actual completion of the international search Da		Date of mailing of the international search report	
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